

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428505

Luminaire Tested: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428505
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

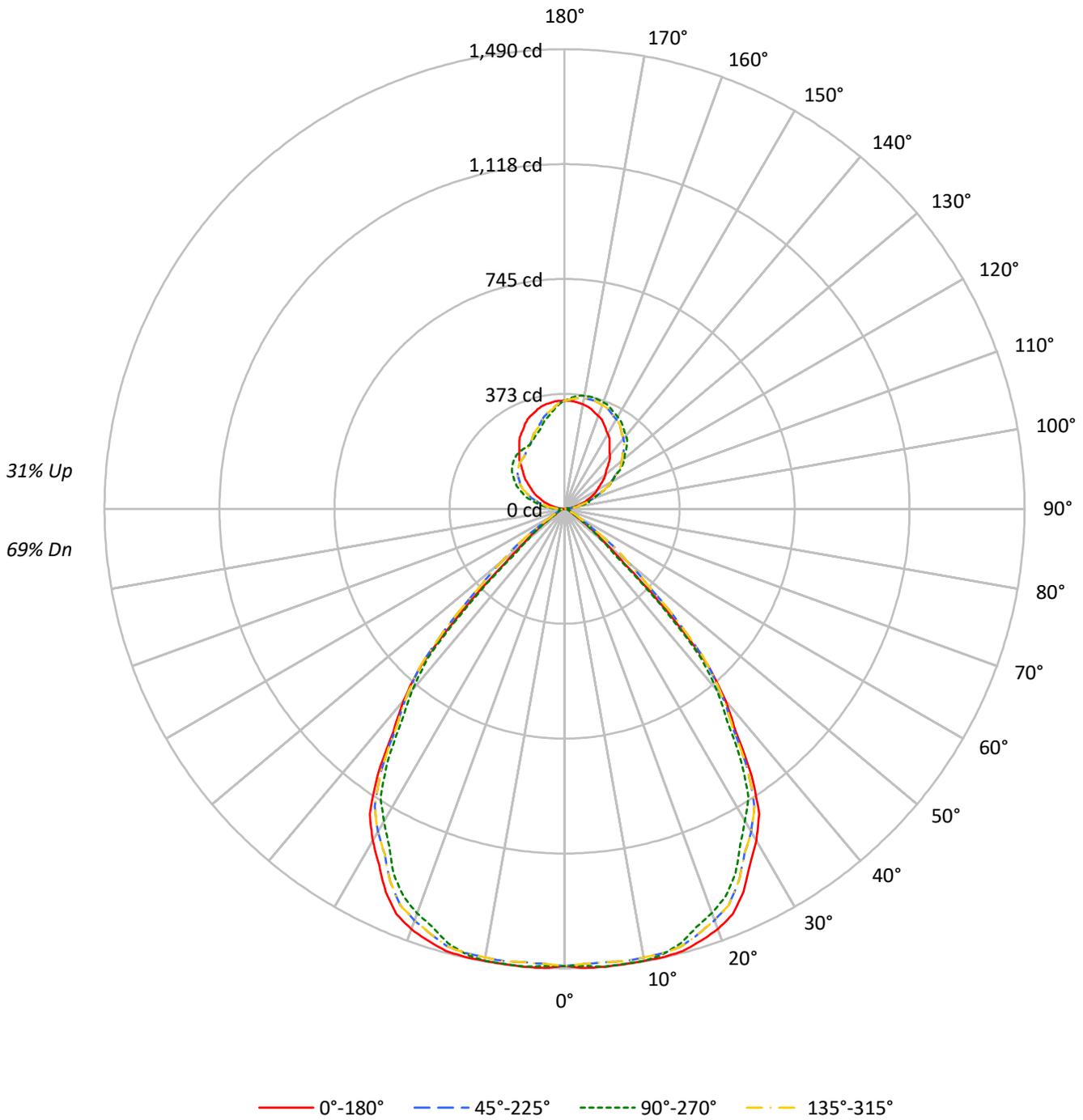
Lumens per Lamp: N/A
Luminaire Lumens: 3344.4 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	69				
1	105	101	98	95	99	96	93	91	86	84	82	77	76	75	69	68	67	63				
2	97	91	86	82	92	87	83	79	79	75	73	71	69	67	64	62	61	57				
3	91	83	77	72	86	79	74	69	72	68	64	65	62	60	59	57	55	52				
4	84	75	69	64	80	72	66	61	66	61	57	60	57	54	55	52	50	47				
5	79	69	62	57	75	66	60	55	61	55	52	56	52	48	51	48	45	43				
6	73	63	56	51	70	60	54	49	56	50	47	51	47	44	47	44	41	39				
7	69	58	51	46	65	56	49	45	51	46	42	48	43	40	44	40	38	36				
8	64	53	46	41	61	51	45	40	48	42	38	44	40	37	41	37	35	33				
9	60	49	42	38	58	48	41	37	44	39	35	41	37	34	38	35	32	30				
10	57	46	39	35	54	44	38	34	41	36	32	38	34	31	36	32	29	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23936	23936	23936	23936
5°	24154	24142	24154	24142
10°	24398	24387	24398	24387
15°	24805	24366	24805	24366
20°	24924	23970	24924	23970
25°	24410	23296	24410	23296
30°	23161	21783	23161	21783
35°	20830	19653	20830	19653
40°	17076	16178	17076	16178
45°	10677	10028	10677	10028
50°	4177	3820	4177	3820
55°	2060	2041	2060	2041
60°	962	872	962	872
65°	867	814	867	814
70°	840	807	840	807
75°	842	755	842	755
80°	790	725	790	725
85°	797	667	797	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 12154 cd/sqm



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CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	4.2
10°-20°	414.5	12.4
20°-30°	612.8	18.3
30°-40°	634.1	19.0
40°-50°	381.4	11.4
50°-60°	91.2	2.7
60°-70°	24.9	0.7
70°-80°	13.9	0.4
80°-90°	5.9	0.2
90°-100°	27.9	0.8
100°-110°	81.4	2.4
110°-120°	132.8	4.0
120°-130°	168.5	5.0
130°-140°	180.3	5.4
140°-150°	168.4	5.0
150°-160°	138.6	4.1
160°-170°	92.9	2.8
170°-180°	33.0	1.0
0°-30°	1169.1	35.0
0°-40°	1803.1	53.9
0°-60°	2275.7	68.0
0°-90°	2320.4	69.4
90°-120°	242.1	7.2
90°-150°	759.4	22.7
90°-180°	1024.0	30.6
0°-180°	3344.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1482	1482	1482	1482	1482	
5°	1490	1490	1490	1490	1490	142
15°	1484	1458	1484	1458	1484	418
25°	1370	1308	1370	1308	1370	626
35°	1057	997	1057	997	1057	649
45°	468	439	468	439	468	362
55°	73	72	73	72	73	73
65°	23	21	23	21	23	23
75°	14	12	14	12	14	14
85°	4	4	4	4	4	4
90°	1	8	1	15	1	1
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1489.9	1488.2	1486.4	1482.0	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9
5°	1490.3	1488.1	1485.9	1480.9	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6
7.5°	1488.8	1487.8	1486.9	1483.2	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5
10°	1488.2	1488.5	1488.8	1484.0	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5
12.5°	1487.6	1490.2	1492.8	1486.2	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2
15°	1484.0	1489.0	1494.1	1485.1	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8
17.5°	1468.2	1474.2	1480.2	1468.1	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1
20°	1450.6	1456.6	1462.6	1448.2	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7
22.5°	1422.7	1429.2	1435.7	1420.3	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6
25°	1370.2	1375.3	1380.3	1364.3	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2
27.5°	1300.3	1303.1	1305.9	1290.4	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7
30°	1242.3	1243.6	1244.8	1232.4	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0
32.5°	1173.5	1174.8	1176.0	1165.1	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8
35°	1056.8	1056.2	1055.6	1048.5	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4
37.5°	910.8	911.7	912.6	907.4	900.1	892.4	884.2	876.4	870.0	863.6	870.0
40°	810.2	810.8	811.5	807.1	801.1	792.1	780.1	770.7	769.1	767.6	769.1
42.5°	687.4	696.9	706.3	702.5	694.2	685.5	676.3	667.5	660.1	652.7	660.1
45°	467.6	496.4	525.1	532.3	532.3	526.8	515.7	499.9	469.5	439.2	469.5
47.5°	264.1	296.8	329.5	351.0	368.8	361.2	328.4	294.5	257.7	220.9	257.7
50°	166.3	188.4	210.5	238.1	267.5	259.4	213.9	176.7	164.4	152.1	164.4
52.5°	118.0	129.2	140.5	166.4	197.3	193.6	155.2	124.7	118.2	111.7	118.2
55°	73.2	77.3	81.4	94.1	109.5	108.6	91.2	77.5	75.0	72.5	75.0
57.5°	43.5	47.7	52.0	57.6	63.6	63.6	57.6	52.0	48.0	44.1	48.0
60°	29.8	33.3	36.8	41.5	46.5	45.9	39.6	34.0	30.5	27.0	30.5
62.5°	25.9	27.3	28.8	32.4	36.7	36.3	31.2	27.1	25.9	24.7	25.9
65°	22.7	23.1	23.4	23.7	24.0	23.8	23.2	22.6	22.0	21.3	22.0
67.5°	20.0	20.4	20.7	20.6	20.3	20.2	20.1	19.9	19.3	18.8	19.3
70°	17.8	18.1	18.4	18.5	18.5	18.3	18.0	17.7	17.4	17.1	17.4
72.5°	16.1	16.4	16.7	16.6	16.3	16.2	16.1	15.9	15.4	14.8	15.4
75°	13.5	13.5	13.5	13.5	13.5	13.3	13.0	12.7	12.4	12.1	12.4
77.5°	10.2	10.6	10.9	10.7	10.4	10.2	10.2	10.2	9.8	9.5	9.8
80°	8.5	8.8	9.2	9.0	8.7	8.5	8.5	8.4	8.1	7.8	8.1
82.5°	6.8	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.4	6.1	6.4
85°	4.3	4.3	4.3	4.0	3.7	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.3	1.9	2.5	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1486.2	1482.3	1476.8	1476.7	1482.0	1486.4	1488.2	1489.9	1488.2	1486.4	1482.0
5°	1491.5	1485.1	1476.3	1474.9	1480.9	1485.9	1488.1	1490.3	1488.1	1485.9	1480.9
7.5°	1491.0	1486.3	1479.6	1478.6	1483.2	1486.9	1487.8	1488.8	1487.8	1486.9	1483.2
10°	1489.4	1484.4	1477.5	1477.3	1484.0	1488.8	1488.5	1488.2	1488.5	1488.8	1484.0
12.5°	1483.4	1479.9	1474.4	1476.6	1486.2	1492.8	1490.2	1487.6	1490.2	1492.8	1486.2
15°	1464.0	1464.8	1464.8	1471.6	1485.1	1494.1	1489.0	1484.0	1489.0	1494.1	1485.1
17.5°	1429.0	1433.6	1438.5	1449.9	1468.1	1480.2	1474.2	1468.2	1474.2	1480.2	1468.1
20°	1398.3	1404.6	1412.5	1427.0	1448.2	1462.6	1456.6	1450.6	1456.6	1462.6	1448.2
22.5°	1366.2	1373.3	1382.0	1397.6	1420.3	1435.7	1429.2	1422.7	1429.2	1435.7	1420.3
25°	1314.6	1320.3	1326.6	1341.3	1364.3	1380.3	1375.3	1370.2	1375.3	1380.3	1364.3
27.5°	1240.5	1247.1	1254.3	1268.8	1290.4	1305.9	1303.1	1300.3	1303.1	1305.9	1290.4
30°	1183.6	1192.6	1202.0	1215.3	1232.4	1244.8	1243.6	1242.3	1243.6	1244.8	1232.4
32.5°	1120.8	1129.1	1138.0	1150.0	1165.1	1176.0	1174.8	1173.5	1174.8	1176.0	1165.1
35°	1009.8	1019.2	1029.6	1039.4	1048.5	1055.6	1056.2	1056.8	1056.2	1055.6	1048.5
37.5°	876.4	884.2	892.4	900.1	907.4	912.6	911.7	910.8	911.7	912.6	907.4
40°	770.7	780.1	792.1	801.1	807.1	811.5	810.8	810.2	810.8	811.5	807.1
42.5°	667.5	676.3	685.5	694.2	702.5	706.3	696.9	687.4	696.9	706.3	702.5
45°	499.9	515.7	526.8	532.3	532.3	525.1	496.4	467.6	496.4	525.1	532.3
47.5°	294.5	328.4	361.2	368.8	351.0	329.5	296.8	264.1	296.8	329.5	351.0
50°	176.7	213.9	259.4	267.5	238.1	210.5	188.4	166.3	188.4	210.5	238.1
52.5°	124.7	155.2	193.6	197.3	166.4	140.5	129.2	118.0	129.2	140.5	166.4
55°	77.5	91.2	108.6	109.5	94.1	81.4	77.3	73.2	77.3	81.4	94.1
57.5°	52.0	57.6	63.6	63.6	57.6	52.0	47.7	43.5	47.7	52.0	57.6
60°	34.0	39.6	45.9	46.5	41.5	36.8	33.3	29.8	33.3	36.8	41.5
62.5°	27.1	31.2	36.3	36.7	32.4	28.8	27.3	25.9	27.3	28.8	32.4
65°	22.6	23.2	23.8	24.0	23.7	23.4	23.1	22.7	23.1	23.4	23.7
67.5°	19.9	20.1	20.2	20.3	20.6	20.7	20.4	20.0	20.4	20.7	20.6
70°	17.7	18.0	18.3	18.5	18.5	18.4	18.1	17.8	18.1	18.4	18.5
72.5°	15.9	16.1	16.2	16.3	16.6	16.7	16.4	16.1	16.4	16.7	16.6
75°	12.7	13.0	13.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
77.5°	10.2	10.2	10.2	10.4	10.7	10.9	10.6	10.2	10.6	10.9	10.7
80°	8.4	8.5	8.5	8.7	9.0	9.2	8.8	8.5	8.8	9.2	9.0
82.5°	6.7	6.8	6.8	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.9
85°	3.6	3.6	3.6	3.7	4.0	4.3	4.3	4.3	4.3	4.3	4.0
87.5°	2.6	2.6	2.6	2.6	2.6	2.5	1.9	1.3	1.9	2.4	2.8
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9	1486.2	1482.3	1476.8	1476.7
5°	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6	1491.5	1485.1	1476.3	1474.9
7.5°	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5	1491.0	1486.3	1479.6	1478.6
10°	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5	1489.4	1484.4	1477.5	1477.3
12.5°	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2	1483.4	1479.9	1474.4	1476.6
15°	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8	1464.0	1464.8	1464.8	1471.6
17.5°	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1	1429.0	1433.6	1438.5	1449.9
20°	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7	1398.3	1404.6	1412.5	1427.0
22.5°	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6	1366.2	1373.3	1382.0	1397.6
25°	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2	1314.6	1320.3	1326.6	1341.3
27.5°	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7	1240.5	1247.1	1254.3	1268.8
30°	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0	1183.6	1192.6	1202.0	1215.3
32.5°	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8	1120.8	1129.1	1138.0	1150.0
35°	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4	1009.8	1019.2	1029.6	1039.4
37.5°	900.1	892.4	884.2	876.4	870.0	863.6	870.0	876.4	884.2	892.4	900.1
40°	801.1	792.1	780.1	770.7	769.1	767.6	769.1	770.7	780.1	792.1	801.1
42.5°	694.2	685.5	676.3	667.5	660.1	652.7	660.1	667.5	676.3	685.5	694.2
45°	532.3	526.8	515.7	499.9	469.5	439.2	469.5	499.9	515.7	526.8	532.3
47.5°	368.8	361.2	328.4	294.5	257.7	220.9	257.7	294.5	328.4	361.2	368.8
50°	267.5	259.4	213.9	176.7	164.4	152.1	164.4	176.7	213.9	259.4	267.5
52.5°	197.3	193.6	155.2	124.7	118.2	111.7	118.2	124.7	155.2	193.6	197.3
55°	109.5	108.6	91.2	77.5	75.0	72.5	75.0	77.5	91.2	108.6	109.5
57.5°	63.6	63.6	57.6	52.0	48.0	44.1	48.0	52.0	57.6	63.6	63.6
60°	46.5	45.9	39.6	34.0	30.5	27.0	30.5	34.0	39.6	45.9	46.5
62.5°	36.7	36.3	31.2	27.1	25.9	24.7	25.9	27.1	31.2	36.3	36.7
65°	24.0	23.8	23.2	22.6	22.0	21.3	22.0	22.6	23.2	23.8	24.0
67.5°	20.3	20.2	20.1	19.9	19.3	18.8	19.3	19.9	20.1	20.2	20.3
70°	18.5	18.3	18.0	17.7	17.4	17.1	17.4	17.7	18.0	18.3	18.5
72.5°	16.3	16.2	16.1	15.9	15.4	14.8	15.4	15.9	16.1	16.2	16.3
75°	13.5	13.3	13.0	12.7	12.4	12.1	12.4	12.7	13.0	13.3	13.5
77.5°	10.4	10.2	10.2	10.2	9.8	9.5	9.8	10.2	10.2	10.2	10.4
80°	8.7	8.5	8.5	8.4	8.1	7.8	8.1	8.4	8.5	8.5	8.7
82.5°	6.9	6.8	6.8	6.7	6.4	6.1	6.4	6.7	6.8	6.8	6.9
85°	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7
87.5°	2.9	3.3	3.8	4.0	4.3	4.2	4.3	4.0	3.8	3.3	2.9
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1482.5	1482.5	1482.5	1482.5
2.5°	1482.0	1486.4	1488.2	1489.9
5°	1480.9	1485.9	1488.1	1490.3
7.5°	1483.2	1486.9	1487.8	1488.8
10°	1484.0	1488.8	1488.5	1488.2
12.5°	1486.2	1492.8	1490.2	1487.6
15°	1485.1	1494.1	1489.0	1484.0
17.5°	1468.1	1480.2	1474.2	1468.2
20°	1448.2	1462.6	1456.6	1450.6
22.5°	1420.3	1435.7	1429.2	1422.7
25°	1364.3	1380.3	1375.3	1370.2
27.5°	1290.4	1305.9	1303.1	1300.3
30°	1232.4	1244.8	1243.6	1242.3
32.5°	1165.1	1176.0	1174.8	1173.5
35°	1048.5	1055.6	1056.2	1056.8
37.5°	907.4	912.6	911.7	910.8
40°	807.1	811.5	810.8	810.2
42.5°	702.5	706.3	696.9	687.4
45°	532.3	525.1	496.4	467.6
47.5°	351.0	329.5	296.8	264.1
50°	238.1	210.5	188.4	166.3
52.5°	166.4	140.5	129.2	118.0
55°	94.1	81.4	77.3	73.2
57.5°	57.6	52.0	47.7	43.5
60°	41.5	36.8	33.3	29.8
62.5°	32.4	28.8	27.3	25.9
65°	23.7	23.4	23.1	22.7
67.5°	20.6	20.7	20.4	20.0
70°	18.5	18.4	18.1	17.8
72.5°	16.6	16.7	16.4	16.1
75°	13.5	13.5	13.5	13.5
77.5°	10.7	10.9	10.6	10.2
80°	9.0	9.2	8.8	8.5
82.5°	6.9	6.9	6.9	6.8
85°	4.0	4.3	4.3	4.3
87.5°	2.8	2.4	1.9	1.3
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7

TEST NUMBER: P1428505

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	4.69	5.53	5.50	6.33	7.31	4.67	5.51	5.47	6.31	7.28
	3H	5.39	6.13	6.21	6.94	7.95	5.30	6.04	6.12	6.85	7.86
	4H	5.75	6.45	6.59	7.27	8.29	5.61	6.30	6.44	7.12	8.14
	6H	6.03	6.66	6.87	7.49	8.52	5.84	6.48	6.69	7.31	8.34
	8H	6.15	6.75	7.00	7.59	8.62	5.94	6.54	6.80	7.39	8.42
	12H	6.23	6.80	7.09	7.64	8.69	5.99	6.57	6.85	7.40	8.46
4H	2H	4.79	5.49	5.63	6.31	7.33	4.77	5.47	5.61	6.29	7.31
	3H	5.74	6.31	6.59	7.16	8.20	5.65	6.22	6.50	7.07	8.11
	4H	6.25	6.76	7.11	7.61	8.68	6.09	6.61	6.95	7.46	8.52
	6H	6.68	7.12	7.55	7.99	9.06	6.47	6.91	7.35	7.79	8.85
	8H	6.86	7.28	7.74	8.15	9.22	6.63	7.04	7.51	7.91	8.99
	12H	7.00	7.36	7.89	8.25	9.33	6.73	7.09	7.62	7.98	9.07
8H	4H	6.37	6.78	7.25	7.65	8.72	6.23	6.64	7.10	7.51	8.58
	6H	6.94	7.28	7.85	8.19	9.27	6.74	7.08	7.64	7.99	9.07
	8H	7.23	7.53	8.14	8.43	9.53	7.00	7.30	7.92	8.21	9.30
	12H	7.45	7.71	8.36	8.61	9.76	7.18	7.44	8.09	8.34	9.49
12H	4H	6.35	6.71	7.24	7.60	8.68	6.21	6.58	7.11	7.47	8.55
	6H	6.98	7.27	7.89	8.18	9.28	6.78	7.08	7.70	7.99	9.08
	8H	7.30	7.56	8.21	8.46	9.61	7.09	7.35	8.00	8.24	9.40